

LIGHT MODULATOR

Abstract

A light modulator includes a substrate, a transparent plate spaced from the substrate such that the transparent plate and the substrate define a cavity therebetween, at least one electrode formed on the substrate adjacent the cavity, and a liquid having an index of refraction greater than one disposed within the cavity. An interface of the liquid is oriented at an angle to a surface of the at least one electrode and oriented at an angle to a surface of the transparent plate. As such, light is adapted to pass through and refract at the interface of the liquid.